

~~S-E-C-R-E-T~~

Photo Intelligence Memorandum

25X1A



GP/I-29
(Project 72.138)

21 September 1954

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CENTRAL INTELLIGENCE AGENCY
Office of Research and Reports

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25X1A



This memorandum is submitted in answer to a request from DD/P to furnish an elevation difference and a horizontal ground distance between two selected points imaged in three photographic negatives supplied by the requester.

In order to accomplish this, contact prints and glass plate diapositives were made from the negatives. The elevation measurements were made from the glass plates by means of the [REDACTED] stereophotogrammetric plotter.

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The enclosed annotated photograph indicates the two points under consideration as "J" and the point midway between "A" and "B".

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The elevation of the point midway between "A" and "B" has been determined to be [REDACTED]. The elevation of point "J" has been determined to be [REDACTED]. The elevation difference is [REDACTED] meters. The ground distance between "J" and the point midway between points "A" and "B" has been determined as [REDACTED].

25X1D

25X1D

The elevation of point "J" was determined by interpolation of the graph of the profile determined by the elevations furnished by the requester. This was necessary as insufficient forward overlap between exposures was provided for the required aerotriangulation.

25X1D

The computed ground distance is believed to be correct within [REDACTED], using as a basis the ground distances furnished by the requester.

The elevation difference is believed to be quite reliable. The latest instrument available was used. However, excess tilt (7.06 grads), insufficient overlap of the photographs (less than 50%) and the fact that the focal length/flying altitude relationships were questionable are possible causes of error. In spite of these possible causes of error, the elevations of other ground points and the building heights furnished by the requester were checked and the instrument readings agree, within one foot of elevation, with those supplied.

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